

CUSTOMER NO.: 24498
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Office Action dated: September 21, 2005
Response dated: December 13, 2005

PATENT
PF990077

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) A process for recording, on a recording medium, a scrambled digital video stream, implementing the following steps, in addition to the recording of the scrambled data:

descrambling of said scrambled data of said stream so as to extract therefrom additional data corresponding to information required by at least one function of the special mode or "trick mode" (fast forward, fast rewind, accelerated motion, slow motion, etc.) recording of these additional data on the recording medium.

2. (Original) A process according to claim 1, wherein said additional data are the pointers and the size of images.

3. (Original) A process according to claim 1, wherein said digital video stream is an MPEG stream obtained by filtering the TS (Transport Stream) headers of a multiprogramme MPEG stream, as a function of the selected programme or programmes to be recorded.

4. (Original) A process according to claim 1, wherein said recording medium is a hard disk or a recordable DVD.

5. (Cancelled)

6. (Cancelled)

7. (Cancelled)

8. (Cancelled)

9. (Previously Presented) A process for recording on a recording medium, a scrambled digital video stream, comprising a step for descrambling the stream ~~is~~—in such a way as to extract additional data relating to the keys for enciphering this scrambled stream and a step for recording these data on the recording medium.

10. (Original) A process according to claim 9, wherein the additional data relating to the keys are the pointers of the packets in which the keys are to be found and pointers of packets to which these keys are applied.

11. (Original) A process according to claim 10, wherein the pointers of packets to which these keys are applied are the pointers defining the stream portions to which the keys are applied.

12. (Original) A process according to claim 11, wherein the pointers to the stream portions to which the keys are applied are obtained from the information concerning a change of value of the "transport_scrambling_control" field of the scrambled MPEG stream.

13. (Original) A process according to claim 10, wherein the pointers of packets to which these keys are applied are pointers defining a stream segment to which each of the two keys of a pair of keys is applied in succession.

14. (Previously Presented) A process according to claim 9, wherein the enciphered keys are extracted from the stream so as to be recorded with the additional data relating to the keys.

15. (Previously Presented) A process according to claim 9, wherein the additional data relating to the keys are the deciphered keys.

16. (Original) A process according to claim 10, wherein the additional data relating to the keys are also the deciphered keys then reciphered with another enciphering device.

17. (Original) A process according to claim 9, wherein the recording medium is a hard disk or a recordable DVD.

18. (Cancelled)

19. (Currently Amended) A process for decoding a scrambled MPEG stream recorded on a recording medium, for implementing a special mode ("trick mode"), comprising the following steps:

the reading, from the recording medium, of scrambled data of the MPEG stream,

the reading, from the recording medium, of additional data other than the scrambled data of the MPEG stream, having a time correspondence with the scrambled data and corresponding to information relating to the enciphering keys used for the scrambling,

descrambling of the MPEG stream data read as a function of the additional data read.

20. (Currently Amended) A process for decoding a scrambled MPEG stream recorded on a recording medium, for implementing a special mode ("trick mode"), comprising the following steps:

reading, from the recording medium, of additional data, other than the scrambled data of the MPEG stream, corresponding to information required by at least one function of the special mode or "trick mode" (fast forward, fast rewind, accelerated motion, slow motion, etc.),

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reading, from the recording medium, of scrambled data of the MPEG stream
which are determined as a function of the said additional data.